

Title (en)

CONTROL APPARATUS AND METHOD FOR DETECTING A TYPE OF LOAD

Title (de)

STEUERVORRICHTUNG UND VERFAHREN ZUR DETEKTION EINER LASTART

Title (fr)

DISPOSITIF DE COMMANDE ET PROCÉDÉ DE DÉTECTION D'UN TYPE DE CHARGE

Publication

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Application

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Abstract (en)

[origin: WO2011131291A2] The invention relates to a control apparatus (1) for controlling a load (4), wherein the control apparatus (1) can be connected between a voltage source (2) and the load (4), having a control circuit (8), a first switch (S3) which is driven by the control circuit (8) and controls a current flowing from the voltage source (2) to the load (4) in order to operate the load (4), and a load type detector (6). The invention proposes that the load type detector (6) comprises means (Z1, Z2, S1, S2) for applying a test signal to the load (4) and at least one measuring device (M1, M2), wherein, for the purpose of detecting the type of load (4), the control apparatus (1) is set up to carry out the following first detection steps: driving of the means (Z1, Z2, S1, S2) for applying the test signal to the load (4) by means of the control circuit (8) with the first switch (S3) open, wherein the application of the test signal results in a test current flowing through the load (4) and in a test voltage being dropped across the load (4), recording of at least one variable derived from the test current and/or the test voltage by means of the measuring device (M1, M2), and detection of the type of load by analysing the recorded variable.

IPC 8 full level

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